


## 特許協力条約に基づく国際出願願書

SK00PCT110

副本 - 印刷日時 2000年12月05日 (05.12.2000) 火曜日 15時43分00秒

0	受理官庁記入欄 国際出願番号.		
0-1			
0-2	国際出願日		
0-3	(受付印)		
0-4	様式-PCT/RO/101 この特許協力条約に基づく国際 出願願書は、 0-4-1 右記によって作成された。	PCT-EASY Version 2.91 (updated 10.10.2000)	
0-5	申立て 出願人は、この国際出願が特許 協力条約に従って処理されるこ とを請求する。		
0-6	出願人によって指定された受理 官庁	日本国特許庁 (RO/JP)	
0-7	出願人又は代理人の書類記号	SK00PCT110	
I	発明の名称	情報処理方法及び情報処理装置並びに媒体	
II	出願人 この欄に記載した者は II-1 右の指定国についての出願人で II-2 ある。 II-4ja 名称 II-4en Name II-5ja あて名: II-5en Address: II-6 国籍 (国名) II-7 住所 (国名)	出願人である (applicant only) 米国を除くすべての指定国 (all designated States except US) ソニー株式会社 SONY CORPORATION 141-0001 日本国 東京都 品川区 北品川 6 丁目 7 番 3 5 号 7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo 141-0001 Japan 日本国 JP 日本国 JP	
III-1	その他の出願人又は発明者 この欄に記載した者は III-1-1 右の指定国についての出願人で III-1-2 ある。 III-1-4ja 氏名 (姓名) III-1-4en Name (LAST, First) III-1-5ja あて名: III-1-5en Address: III-1-6 国籍 (国名) III-1-7 住所 (国名)	出願人及び発明者である (applicant and inventor) 米国のみ (US only) 金井 剛志 KANAI, Takeshi 141-0001 日本国 東京都 品川区 北品川 6 丁目 7 番 3 5 号 ソニー株式会社内 c/o SONY CORPORATION 7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo 141-0001 Japan 日本国 JP 日本国 JP	

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III-2	その他の出願人又は発明者	出願人及び発明者である (applicant and inventor) 米国のみ (US only)  杉本 幸一 SUGIMOTO, Koichi 141-0001 日本国 東京都 品川区 北品川6丁目7番35号 ソニー株式会社内 c/o SONY CORPORATION 7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo 141-0001 Japan 日本国 JP 日本国 JP
III-2-1	この欄に記載した者は	
III-2-2	右の指定国についての出願人である。	
III-2-4ja	氏名(姓名)	
III-2-4en	Name (LAST, First)	
III-2-5ja	あて名:	
III-2-5en	Address:	
III-2-6	国籍(国名)	日本国 JP
III-2-7	住所(国名)	日本国 JP
IV-1	代理人又は共通の代表者、通知のあて名 下記の者は国際機関において右記のごとく出願人のために行動する。	代理人 (agent)
IV-1-1ja	氏名(姓名)	小池 晃
IV-1-1en	Name (LAST, First)	KOIKE, Akira
IV-1-2ja	あて名:	105-0001 日本国 東京都 港区 虎ノ門二丁目6番4号 第11森ビル
IV-1-2en	Address:	No.11 Mori Bldg., 6-4, Toranomon 2-chome Minato-ku, Tokyo 105-0001 Japan
IV-1-3	電話番号	03-3508-8266
IV-1-4	ファクシミリ番号	03-3508-0439
IV-2	その他の代理人	筆頭代理人と同じあて名を有する代理人 (additional agent(s) with same address as first named agent)
IV-2-1ja	氏名	田村 榮一; 伊賀 誠司
IV-2-1en	Name(s)	TAMURA, Eiichi; IGA, Seiji
V	国の指定	
V-1	広域特許 (他の種類の保護又は取扱いを求める場合には括弧内に記載する。)	--
V-2	国内特許 (他の種類の保護又は取扱いを求める場合には括弧内に記載する。)	CA US

## 特許協力条約に基づく国際出願願書

副本 - 印刷日時 2000年12月05日 (05.12.2000) 火曜日 15時43分00秒

V-5	指定の確認の宣言 出願人は、上記の指定に加えて、規則4.9(b)の規定に基づき、特許協力条約のもとで認められる他の全ての国の指定を行う。ただし、V-6欄に示した国の指定を除く。出願人は、これらの追加される指定が確認を条件としていること、並びに優先日から15月が経過する前にその確認がなされない指定は、この期間の経過時に、出願人によって取り下げられたものとみなされることを宣言する。		
V-6	指定の確認から除かれる国	なし (NONE)	
VI-1	先の国内出願に基づく優先権主張		
VI-1-1	先の出願日	1999年12月09日 (09.12.1999)	
VI-1-2	先の出願番号	平成 1 1 年特許願第 3 5 0 8 6 4 号	
VI-1-3	国名	日本国 JP	
VII-1	特定された国際調査機関(ISA)	日本国特許庁 (ISA/JP)	
VIII	照合欄	用紙の枚数	添付された電子データ
VIII-1	願書	4	-
VIII-2	明細書	35	-
VIII-3	請求の範囲	11	-
VIII-4	要約	1	absk00pct110.txt
VIII-5	図面	21	-
VIII-7	合計	72	
VIII-8	添付書類	添付	添付された電子データ
VIII-8	手数料計算用紙	✓	-
VIII-10	包括委任状の写し	✓	-
VIII-12	優先権証明書	優先権証明書 VI-1	-
VIII-16	PCT-EASYディスク	-	フレキシブルディスク
VIII-17	その他	納付する手数料に相当する特許印紙を貼付した書面	-
VIII-17	その他	国際事務局の口座への振込を証明する書面	-
VIII-18	要約書とともに提示する図の番号	12	
VIII-19	国際出願の使用言語名:	日本語 (Japanese)	
IX-1	提出者の記名押印		
IX-1-1	氏名(姓名)	小池 晃	
IX-2	提出者の記名押印		
IX-2-1	氏名(姓名)	田村 榮一	
IX-3	提出者の記名押印		
IX-3-1	氏名(姓名)	伊賀 誠司	

## 受理官庁記入欄

10-1	国際出願として提出された書類 の実際の受理の日	
10-2	図面：	
10-2-1	受理された	
10-2-2	不足図面がある	
10-3	国際出願として提出された書類 を補完する書類又は図面であつ てその後期間内に提出されたも のの実際の受理の日（訂正日）	
10-4	特許協力条約第11条(2)に基づ く必要な補完の期間内の受理の 日	
10-5	出願人により特定された国際調 査機関	ISA/JP
10-6	調査手数料未払いにつき、国際 調査機関に調査用写しを送付し ていない	

## 国際事務局記入欄

11-1	記録原本の受理の日	
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## 国際調査報告

(法8条、法施行規則第40、41条)  
〔PCT18条、PCT規則43、44〕

出願人又は代理人 の書類記号 SK00PCT110	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220)及び下記5を参照すること。		
国際出願番号 PCT/JP00/08610	国際出願日 (日.月.年) 05.12.00	優先日 (日.月.年) 09.12.99	
出願人(氏名又は名称) ソニー株式会社			

国際調査機関が作成したこの国際調査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。  
この写しは国際事務局にも送付される。

この国際調査報告は、全部で 2 ページである。

☐ この調査報告に引用された先行技術文献の写しも添付されている。

## 1. 国際調査報告の基礎

- a. 言語は、下記に示す場合を除くほか、この国際出願がされたものに基づき国際調査を行った。  
☐ この国際調査機関に提出された国際出願の翻訳文に基づき国際調査を行った。
- b. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際調査を行った。  
☐ この国際出願に含まれる書面による配列表  
☐ この国際出願と共に提出されたフレキシブルディスクによる配列表  
☐ 出願後に、この国際調査機関に提出された書面による配列表  
☐ 出願後に、この国際調査機関に提出されたフレキシブルディスクによる配列表  
☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった。  
☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記載した配列が同一である旨の陳述書の提出があった。

2. ☐ 請求の範囲の一部の調査ができない(第I欄参照)。

3. ☐ 発明の単一性が欠如している(第II欄参照)。

4. 発明の名称は ☒ 出願人が提出したものを承認する。  
☐ 次に示すように国際調査機関が作成した。

5. 要約は ☒ 出願人が提出したものを承認する。  
☐ 第III欄に示されているように、法施行規則第47条(PCT規則38.2(b))の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から1カ月以内にこの国際調査機関に意見を提出することができる。

6. 要約書とともに公表される図は、  
 第 12 図とする。 ☒ 出願人が示したとおりである。 ☐ なし  
☐ 出願人は図を示さなかった。  
☐ 本図は発明の特徴を一層よく表している。

## A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int. Cl<sup>7</sup> G06F17/21, G06F3/14

## B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int. Cl<sup>7</sup> G06F17/21, G06F3/14

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1926-1996年  
 日本国公開実用新案公報 1971-2001年  
 日本国実用新案登録公報 1996-2001年  
 日本国登録実用新案公報 1994-2001年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

## C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	JP, 05-158924, A(三洋電機株式会社)25. 6月. 1993(25. 06. 93)(ファミリーなし)	1-52
X	JP, 10-177567, A(日本電気オフィスシステム株式会社) 30. 6月. 1998(30. 06. 98), 第5欄第2行-第6欄第50行(ファミリーなし)	1-52
X	JP, 58-068092, A(キャノン株式会社)22. 4月. 1983(22. 04. 83), 特許請求の範囲、第6頁左上欄第14行-第7頁右上欄第5行(ファミリーなし)	1-52
X	JP, 63-304365, A(三菱電機株式会社)12. 12月. 1988(12. 12. 88), 第2頁右下欄第2行-第3頁右下欄第1行(ファミリーなし)	1-52

☐ C欄の続きにも文献が列挙されている。☐ パテントファミリーに関する別紙を参照。

## \* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの  
 「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの  
 「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)  
 「O」 口頭による開示、使用、展示等に言及する文献  
 「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの

「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの

「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの

「&amp;」 同一パテントファミリー文献

国際調査を完了した日

27. 02. 01

国際調査報告の発送日

13.03.01

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号 100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

長 由紀子



5 L

4 2 3 3

電話番号 03-3581-1101 内線 3560

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF  
RECORD COPY

(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

KOIKE, Akira  
No.11 Mori Bldg.  
6-4, Toranomon 2-chome  
Minato-ku  
Tokyo 105-0001  
JAPON

<b>Date of mailing</b> (day/month/year) 08 January 2001 (08.01.01)	<b>IMPORTANT NOTIFICATION</b>
<b>Applicant's or agent's file reference</b> SK00PCT110	<b>International application No.</b> PCT/JP00/08610

The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

SONY CORPORATION (for all designated States except US)  
KANAI, Takeshi et al (for US)

International filing date	:	05 December 2000 (05.12.00)
Priority date(s) claimed	:	09 December 1999 (09.12.99)
Date of receipt of the record copy by the International Bureau	:	15 December 2000 (15.12.00)
List of designated Offices	:	

National :CA,US


**ATTENTION**

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase  
☒ confirmation of precautionary designations  
☐ requirements regarding priority documents

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland	<b>Authorized officer:</b>  Masashi HONDA
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

003757320

## INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated in the Notification of Receipt of Record Copy (Form PCT/IB/301) by paying national fees and furnishing translations, as prescribed by the applicable national laws.

The time limit for performing these procedural acts is **20 MONTHS** from the priority date or, for those designated States which the applicant elects in a demand for international preliminary examination or in a later election, **30 MONTHS** from the priority date, provided that the election is made before the expiration of 19 months from the priority date. Some designated (or elected) Offices have fixed time limits which expire even later than 20 or 30 months from the priority date. In other Offices an extension of time or grace period, in some cases upon payment of an additional fee, is available.

In addition to these procedural acts, the applicant may also have to comply with other special requirements applicable in certain Offices. **It is the applicant's responsibility** to ensure that the necessary steps to enter the national phase are taken in a timely fashion. Most designated Offices do not issue reminders to applicants in connection with the entry into the national phase.

**For detailed information about the procedural acts to be performed to enter the national phase before each designated Office, the applicable time limits and possible extensions of time or grace periods, and any other requirements, see the relevant Chapters of Volume II of the PCT Applicant's Guide. Information about the requirements for filing a demand for international preliminary examination is set out in Chapter IX of Volume I of the PCT Applicant's Guide.**

GR and ES became bound by PCT Chapter II on 7 September 1996 and 6 September 1997, respectively, and may, therefore, be elected in a demand or a later election filed on or after 7 September 1996 and 6 September 1997, respectively, regardless of the filing date of the international application. (See second paragraph above.)

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

## CONFIRMATION OF PRECAUTIONARY DESIGNATIONS

This notification lists only specific designations made under Rule 4.9(a) in the request. It is important to check that these designations are correct. Errors in designations can be corrected where precautionary designations have been made under Rule 4.9(b). The applicant is hereby reminded that any precautionary designations may be confirmed according to Rule 4.9(c) before the expiration of 15 months from the priority date. If it is not confirmed, it will automatically be regarded as withdrawn by the applicant. There will be no reminder and no invitation. Confirmation of a designation consists of the filing of a notice specifying the designated State concerned (with an indication of the kind of protection or treatment desired) and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.

## REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity to furnish the priority document within a time limit which is reasonable under the circumstances.

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit is the filing date of the earliest application whose priority is claimed.



## P A T E N T C O O P E R A T I O N T R E A T Y

PCT

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

KOIKE, Akira  
No.11 Mori Bldg.  
6-4, Toranomom 2-chome  
Minato-ku  
Tokyo 105-0001  
JAPON

Date of mailing (day/month/year) 08 January 2001 (08.01.01)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference SK00PCT110	
International application No. PCT/JP00/08610	International filing date (day/month/year) 05 December 2000 (05.12.00)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 09 December 1999 (09.12.99)
Applicant SONY CORPORATION et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
09 Dece 1999 (09.12.99)	11/350864	JP	15 Dece 2000 (15.12.00)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

Masashi HONDA

Telephone No. (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

KOIKE, Akira  
No.11 Mori Bldg.  
6-4, Toranomon 2-chome  
Minato-ku  
Tokyo 105-0001  
JAPON

Date of mailing (day/month/year) 14 June 2001 (14.06.01)		IMPORTANT NOTICE	
Applicant's or agent's file reference SK00PCT110			
International application No. PCT/JP00/08610	International filing date (day/month/year) 05 December 2000 (05.12.00)	Priority date (day/month/year) 09 December 1999 (09.12.99)	
Applicant SONY CORPORATION et al			

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:  
CA

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 14 June 2001 (14.06.01) under No. WO 01/42975

**REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)**

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a **demand for international preliminary examination** must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

**REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))**

If the applicant wishes to proceed with the international application in the **national phase**, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 740.14.35	Authorized officer  J. Zahra  Telephone No. (41-22) 338.83.38
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/08610

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G06F17/21, G06F3/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G06F17/21, G06F3/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Jitsuyo Shinan Toroku Koho 1996-2001  
Kokai Jitsuyo Shinan Koho 1971-2001 Toroku Jitsuyo Shinan Koho 1994-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP, 05-158924, A (Sanyo Electric Co., Ltd.), 25 June, 1993 (25.06.93) (Family: none)	1-52
X	JP, 10-177567, A (NEC Office System Ltd.), 30 June, 1998 (30.06.98), Column 5, line 2 to Column 6, line 50 (Family: none)	1-52
X	JP, 58-068092, A (Canon Inc.), 22 April, 1983 (22.04.83), Claims; page 6, upper left column, line 14 to page 7, upper right column, line 5 (Family: none)	1-52
X	JP, 63-304365, A (Mitsubishi Electric Corporation), 12 December, 1988 (12.12.88), page 2, lower right column, line 2 to page 3, lower right column, line 1 (Family: none)	1-52

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:  
"A" document defining the general state of the art which is not  
considered to be of particular relevance  
"E" earlier document but published on or after the international filing  
date  
"L" document which may throw doubts on priority claim(s) or which is  
cited to establish the publication date of another citation or other  
special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other  
means  
"P" document published prior to the international filing date but later  
than the priority date claimed

"T" later document published after the international filing date or  
priority date and not in conflict with the application but cited to  
understand the principle or theory underlying the invention  
"X" document of particular relevance; the claimed invention cannot be  
considered novel or cannot be considered to involve an inventive  
step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be  
considered to involve an inventive step when the document is  
combined with one or more other such documents, such  
combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search  
27 February, 2001 (27.02.01)

Date of mailing of the international search report  
13 March, 2001 (13.03.01)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

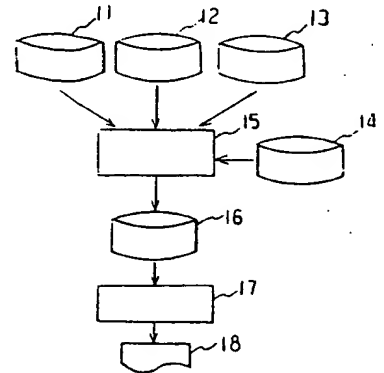
Telephone No.

**(54) TEXT DATA EDITING/OUTPUT SYSTEM FOR MULTI-MEDIA EDITING/OUTPUT DEVICE**

(11) 63-304365 (A) (43) 12.12.1988 (19) JP  
 (21) Appl. No. 62-140325 (22) 4.6.1987  
 (71) MITSUBISHI ELECTRIC CORP (72) TAKEO TANAKA  
 (51) Int. Cl. G06F15/20, G06F3/153

**PURPOSE:** To improve both the versatility and the flexibility of the titled system by simulating expression attribute information set for each layout block by using a display function of a graphic text.

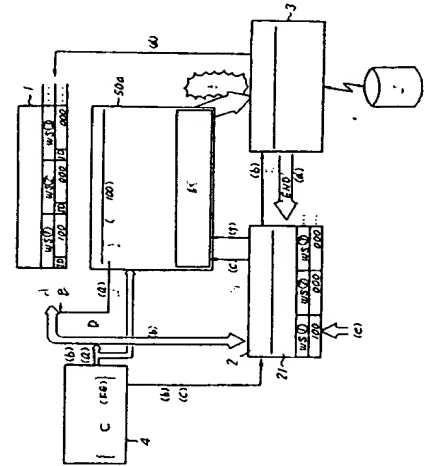
**CONSTITUTION:** Data read out of a graphic data file 11 storing various types of data, an image data file 12 and a text data file 13 are edited and outputted by a multi-media editing/output program 15 based on a layout information file 14 storing the expression attribute information including FCB information set for editing and output of the text data. The program 15 includes a function which simulates the expression attribute information set for each layout block by means of the display function of the graphic text. Then the program 15 is carried out by a CPU of a multi-media editing/output device main body. The output data is stored in a temporary print file 16 and outputted to a printer 18. Thus the flexibility and the versatility can be extremely improved for a data editing/output system.

**(54) PATIENT-BASED EXCLUSIVE CONTROL SYSTEM FOR MEDICAL AFFAIRS**

(11) 63-304367 (A) (43) 12.12.1988 (19) JP  
 (21) Appl. No. 62-140363 (22) 4.6.1987  
 (71) FUJITSU LTD (72) HIROYUKI TAKEUCHI  
 (51) Int. Cl. G06F15/21

**PURPOSE:** To eliminate the waiting time for application of data and to prevent malfunction in the titled system by using a system common area, an exclusive control background means and an updating background means.

**CONSTITUTION:** A system common area 1 is searched based on an input patient identifier ID. If no ID exists in the area 1, the ID and a work station number are registered in an under-processing table 21 of an exclusive control background means 2 as well as the area 1. Then the updating background means 3 is started and entrusted for the updating. In case the ID exists in the area 1, both the ID and work station number are displayed on a screen 50a via the means 2 and an under-updating state is indicated. When the updating is ended in the means 3, the means 3 erases the ID and the workstation number out of the area 1 and the table 21 to perform exclusive control to the same patient in medical affairs. Thus it is possible to eliminate the waiting time for application of data and to prevent the malfunction.



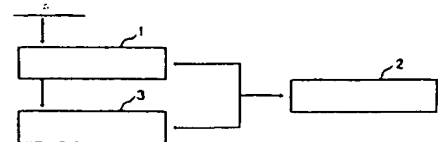
4: data application part. A: work station No., B: write of patient ID under processing. C: for job. D: patient ID search. E: under replacement. F: start. G,H: display. I: patient ID. J: accounts data. K: under replacement of ID100 by WSD. (b) write needed if no ID is included in a system common area (e) erasion (f) erasion of message (d) erasion of system common area

**(54) SLIP MANAGEMENT SYSTEM**

(11) 63-304368 (A) (43) 12.12.1988 (19) JP  
 (21) Appl. No. 62-140813 (22) 4.6.1987  
 (71) NEC CORP (72) KAZUE KANEKO  
 (51) Int. Cl. G06F15/22

**PURPOSE:** To systematically process slip information by carrying out the editing/updating of the flip information when the slips are canceled and returned and securing the relationship between slips.

**CONSTITUTION:** An editing/updating means 1 sorts the input/output slips to edit the information for sale slips and to retrieve the related slip information for addition of this information and objective slip information. These information are updated and edited and the related information is outputted to a control means 2. The means 2 regards the related information received from the means 1 as a pointer and secures the logical relationship among slips. Then the slip producing state is displayed on a display means 3 for each constitution designated by users and based on the management constitution unit produced by the relationship of slips defined by the means 2. In such a way, no collating mistake is produced and the confirming jobs are extremely decreased. Thus no double slip nor unable mortgage slip are produced and the omission of data is avoided owing to automatic collation and updating. Then the slip information can be systematically processed.

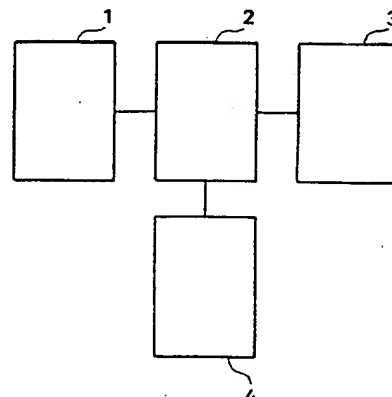


**(54) INFORMATION PROCESSOR**

(11) 5-158923 (A) (43) 25.6.1993 (19) JP  
 (21) Appl. No. 3-319153 (22) 3.12.1991  
 (71) SHARP CORP (72) YOSHIKI OKA(1)  
 (51) Int. Cl<sup>5</sup>. G06F15/20

**PURPOSE:** To improve operability and to reduce the generation of misrecognition by providing this information processor with a code conversion means for substituting an alphanumeric code for a Japanese code inputted after inputting a numeral.

**CONSTITUTION:** The information processor capable of displaying characters and codes inputted from an input part 4 on the screen of a document display part 1 is provided with the code conversion means for substituting an alphanumeric code such as "," and "." for Japanese codes inputted after inputting a numeral. Thereby all Japanese codes after inputting a numeral can be converted into alphanumeric codes. After inputting a numeral to the information processor using a keyboard arranging a Japanese code and an alphanumeric code on a common key as the input part 4, it is unnecessary to switch a Japanese input mode to an alphanumeric mode in the case of inputting an alphanumeric code during the execution of the Japanese input mode. Consequently the operability can be improved and the generation of misrecognition is reduced.



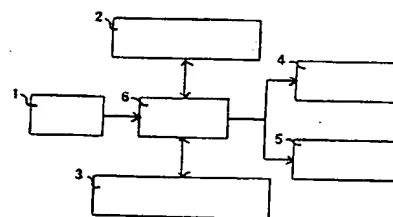
2: control part, 3: document storing part

**(54) DEVICE FOR EDITING DOCUMENT AND METHOD THEREFOR**

(11) 5-158924 (A) (43) 25.6.1993 (19) JP  
 (21) Appl. No. 3-324728 (22) 9.12.1991  
 (71) SANYO ELECTRIC CO LTD (72) TAKAYUKI KOWADA(4)  
 (51) Int. Cl<sup>5</sup>. G06F15/20

**PURPOSE:** To simplify an operation by providing a control part for automatically changing the developing direction of a character string to be developed to a slave area when the developing direction of a text character string in a master area is changed.

**CONSTITUTION:** This device is provided with an input part 1 for inputting a character string and area managing information, an intra-area data processing part 2, an area managing data processing part 3 and output parts 4, 5. The device is also provided with the control part 6 for positionally completely including a 1st area, setting up a 2nd area arranged on the lower area of the 1st area as the master area of the 1st area, setting up the 1st area as the slave area of the 2nd area, and at the time of changing the developing direction of a text character string in the master area, changing the developing direction information of the slave area and storing the changed information in the processing part 3. Namely when the developing direction of the text character string in the master area is changed, the developing direction of the character string to be developed in the slave area can be automatically changed. Consequently operation for changing the character string developing direction from horizontal writing to vertical writing is simplified.



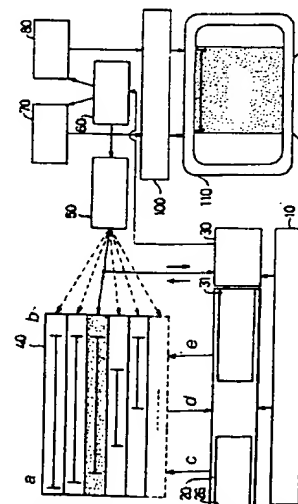
4: printing output part, 5: display output part

**(54) MARGIN PROCESSING SYSTEM FOR DOCUMENT PREPARING DEVICE**

(11) 5-158925 (A) (43) 25.6.1993 (19) JP  
 (21) Appl. No. 3-319400 (22) 3.12.1991  
 (71) FUJITSU LTD (72) KENJI WAKAMIYA  
 (51) Int. Cl<sup>5</sup>. G06F15/20

**PURPOSE:** To enable holding plural margins and to simply change a margin by providing a margin table, a margin registering part and a margin selecting part.

**CONSTITUTION:** This device is provided with the margin table 40 for storing plural pairs of tight and left margins, the margin registering part 20 for adding and deleting margins to/from the table 40 and the margin selecting part 30 for selecting a required pair of margins from the table 40 in accordance with an instruction from an input part 10. Right and left margins selected by the selecting part 30 are applied. A table sorting mechanism 26 sorts the plural pairs of margins stored in the table 40 based upon the column position of any one of the right and left margins. Consequently plural pairs of margins can be stored in the margin table 40 and a margin to be applied is easily changed by selecting an optional margin from the contents of the table 40.



10: input part (instruction), 26: table sorting mechanism, 31: prior margin setting receiving mechanism, 50: master margin pointer, 60: margin updating part, 70: left margin register, 80: right margin register, 100: margin position display control part, 110: display part, a: left end, b: right end, c: margin addition, d: margin deletion, e: prior margin setting